Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/17/2019 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124928	-1	2.55	125019	2.54
Blue	F	SSC	125000	124083	-1	1.58	124963	1.61
Blue	E	FITC	16122	15679	-3	3.00	341	19.86
Blue	D	PE	29316	28757	-2	2.36	626	14.43
Blue	B	PerCP-Cy5-5	42590	41821	-2	3.90	1127	20.04
Blue	A	PE-Cy7	33146	33035	-1	6.26	633	40.99
Red	C	APC	45473	45363	-1	2.59	1610	12.13
Red	A	APC-Cy7	31961	31183	-3	2.59	823	11.87
Violet	B	V450	7914	7536	-5	3.93	419	12.83
Violet	A	V500	29769	28911	-3	3.64	671	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21246	4.04	608	8	N/A	N/A	Pass
Blue	F	SSC	56266	1.37	552	14	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0213	192	Pass
Blue	D	PE	132	49.42	541	4	0.1856	328	Pass
Blue	B	PerCP-Cy5-5	205	49.42	642	4	0.0094	63	Pass
Blue	A	PE-Cy7	120	97.59	696	5	0.0106	7	Pass
Red	C	APC	383	24.56	584	5	0.0239	77	Pass
Red	A	APC-Cy7	180	28.47	560	4	0.0057	973	Pass
Violet	B	V450	65	58.61	462	2	0.0561	2192	Pass
Violet	A	V500	100	32.62	475	3	0.0215	556	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.92	-31.81	1.01
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.65	13.60 - 20.40	N/A	N/A	29.52	29.71	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9611

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments